

Claims

1. A feed-through device having a body portion that is axially inserted into a bulkhead opening and then secured in said opening by a solder joint in a region between said body portion and an inner periphery of said opening, comprising:

- 5 a first set of teeth symmetrically distributed about a lateral periphery of said body portion and protruding laterally from said lateral periphery so as to cut into the inner periphery of said opening as said body portion is axially inserted into said opening for centering and retaining said body portion within said opening until said solder joint is formed.

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2. The feed-through device of Claim 1, further comprising:

- a second set of teeth symmetrically distributed about the lateral periphery of said body portion and protruding laterally from said lateral periphery but inboard of said first set of teeth, said second set of teeth shaped to
5 contact but not cut into the inner periphery of said opening as said body portion is axially inserted into said opening for centering said body portion within said opening.

3. The feed-through device of Claim 2, wherein said second set of teeth is axially aligned with said first set of teeth.

4. The feed-through device of Claim 1, wherein said teeth occupy only a minor part of said body portion about said lateral periphery.

5. The feed-through device of Claim 1, further comprising:

at least one lateral groove formed in the lateral periphery of said body portion, said solder joint extending into such groove.

6. The feed-through device of Claim 5, including a lateral groove formed in the lateral periphery of said body portion inboard of said first set of teeth.

7. The feed-through device of Claim 1, wherein the inner periphery of said opening is plated with a solderable material, and said first set of teeth protrude from the lateral periphery of said body portion so as to cut into but not through said solderable material.

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8. The feed-through device of Claim 1, including a flange on an outboard end of said body portion that seats against the bulkhead when said body portion is inserted into said bulkhead opening.